

LXIX. *A Catalogue of the FIFTY PLANTS
from Chelsea-Garden, presented to the
Royal Society by the worshipful Company
of Apothecaries, for the Year 1753. pur-
suant to the Direction of Sir Hans Sloane,
Bart. Med. Reg. & Soc. Reg. nuper Praef.;
by John Wilmer, M. D. Clariss. Societatis
Pharmaceut. Lond. Soc. Hort. Chels. Praef.
& Praelect. Botan.*

- Read March 1551. 7, 1754. **A** Nagallis cærulea foliis binis ternis ex adverso nascentibus *C. B.*
1552. Arctotis foliis ovatis dentatis petiolis longissimis superne dentatis caule ramoso *Flor. Leyd. Prod.* Anemonospermus Africana foliis Plantaginis flore sulphureo *Com. rar. Pl. fig. 35.*
1553. Astragalus caulescens procumbens leguminibus scrotiformibus inflatis mucronatis pilosis *Hort. Upsal.*
1554. Atriplex sylvestris fructu roseo compresso vel stellato *C. B. P.*
1555. Baccharis foliis lanceolatis longitudinaliter dentato ferratis *Hort. Cliff.* Senecio Afric. arborescens folio ferrato *Boerb.* 117.
1556. Calendula foliis linearibus denticulatis & integerrimis *Flor. Leyd.* Dimorphotheca statices folio *Vaillant.*
- 1557.



1557. *Carduus Lusitanicus* luteus foliis coronopi glabris & rigidis *Tourn. Inst. R. H.*
1558. *Celtis fructu obscure purpurascente* *Inst. R. H.* 612.
1559. *Centaurea calycibus duplicato-spinosis subrotundis*, foliis decurrentibus, lanceolatis sinuosis inermibus floribus lateralibus *Hort. Cliff.*
1560. *Centaurea calycibus subulato-spinosis* foliis decurrentibus, inermibus lanceolatis inferioribus dentatis *H. Cliff.*
1561. *Centaurea calycibus ciliatis*, foliis tomentosis pinnatifidis, foliolis ovatis integerrimis exterioribus majoribus *Hort. Cliff.* *Jacea Epidaurica candidissima* & tomentosa *Tourn.*
- 445.
1562. *Cerinthe Alpina* perennis flore striato *Tourn. Inst. R. H.* *Glastum montanum Dalechampii* *Lugd.* 1204.
1563. *Clinopodium montanum* *C. B. P.* *Acinos Austriaca Clusi.*
1564. *Cynanchum caule volubili*, fol. reniformibus cordatis acutis *Hort. Cliff.* *Periploca Monspeliaca* folio rotundiore *Tourn.* 93.
1565. *Delphinium nectariis diphyllis labellis bifidis apice barbatis*, foliis incisis, caule erecto *H. Upsal.* *Delphinium Orientale*, *Aconiti* fol. fl. cærul *T. Cor.* 30.
1566. *Diosma* foliis subulatis acutis *Hort. Cliff.* *Spiraea Africana* foliis cruciatim positis *Com. rar. pl.*
1567. *Echinopus minor* *J. B.* 3. 72.

1568. Elichrysum sylvestre latifolium, fl. parvo singu-
lari stœchadi citrini alteri inodore Lobelii
Tourn. Inst. R. H. Affinis capitulis brevio-
ribus *J. B.* 3. 157.
1569. Epilobium foliis linear-i-lanceolatis integerrimis,
floribus corymbosis terminatricibus.
1570. Eryngium Americanum foetidum Ituba Brasil.
Hort. Leyd. 237.
1571. Galenia *Hort. Cliff.* Sherardia *Pontider.*
1572. Genista tinctoria latifolia Lucensis *J. B.*
1573. Hesperis ficula frutescens siliqua tricuspidi
Tourn. Leucoium minus fruticans purpu-
reum, montanum crucigerum *Boc.* p. 2.
148. *T. 3.*
1574. Hieracium incanum lanuginosum Ragusinum,
pilosellæ flore *Hort. Lugd. App.*
1575. Hippocrepis leguminibus solitariis subsessilibus
Hort. Cliff. Ferrum equinum siliqua sin-
gulari *Tourn.* 400.
1576. Hyoseris foliis glabris hastato-pinnatis *Flor.*
Leyd. Prod. Dens leonis minor foliis radi-
atis *C. B. P.*
1577. Kempferia *Hort. Cliff.* Areorchis tuberoso-
platyphyllos *Breyn.*
1578. Leonurus Canadensis origani folio *Tourn.*
Inst. R. H. 187. Origanum fistulosum Ca-
nadense *Cornuti.* Monarda *Hort. Cliff.*
1579. Malope foliis ovatis crenatis glabris *Hort.*
Cliff. Malaceoides betonicae folio *Tourn.*
Inst. 98.
1580. Marrubiastrum vulgare *Tourn.* Sideritis al-
fines triflaginariae fol *C. B. P.* 233.

1581. *Mercurialis* caule fruticoso, foliis tomentosis
Hort. Cliff.
1582. *Nerium Indicum* angustifolium, floribus odoratis simplicibus *Hort. Leyd.*
1583. *Othonna* foliis infimis lanceolatis integerrimis, superioribus sinuato-dentatis *Hort. Cliff.*
Jacobaea Africana frutescens coronopi folio
Com. Hort. Amst. p. 2. 139.
1584. *Papaver* caule unifloro nudo hispido, foliis pinnato-sinuatis *Hort. Ups.*
1585. *Pericaria frutescens* maculosa *Virginiana* flore albo *Park. Theat.* 857.
1586. *Physalis* radice perenne foliis cordatis obtusis *H. Cliff.* *Alkekengi Bonariense* repens bacca turbinata viscosa *Hort. Eltham.* p. 11.
1587. *Plumbago* foliis petiolatis *Hort. Cliff.* *Ceylanensis* fol. splendente *Ocymastri* fl. lacteo *Burman Zeyl.* 195.
1588. *Salvia* foliis ovatis utrimque acuminatis serratis *H. Cliff.* *Sclarea Mexicana* altissima facie *Heliotropii* *Hort. Elt.* 339.
1589. *Sanicula Offic C. B. P.* 319. *Mas Fuchsii* sive *Diapensia J. B.* 3. 639.
1590. *Saxifraga Alpina Ericoides* flore cæruleo *Tourn. Inst. R. H.* *Sedum Alpinum Ericoides* cæruleum *C. B. Prod.* 132.
1591. *Scabiosa corollulis quinquefidis* foliis incisis, caule frutescente *Hort. Cliff.* *Scabiosa Africana* frutescens *Herman. Par.* 219.
1592. *Seseli* petiolis ramiferis membranaceis oblongis integris *Hort. Cliff.* *Fæniculum sylvestre elatinus Ferulæ*, fol. longiori *Tourn.* 311.

1593. *Solanum Campechianum* calycibus echinatis
H. Elt. 360.
1594. *Soldanella* *Hort. Cliff.* *Alpina rotundifolia*
C. B. P. 295.
1595. *Sonchus floribus solitariis, foliorum laciniis ex-*
trorsum flexis Hort. Cliff. *Sonchus Tin-*
gitanus papaveris folio T. 475.
1596. *Teucrium foliis lanceolatis integerrimis petio-*
latis, spicis laxis subrotundis Hort. Cliff.
Podium lavendulæ folio C. B. P. 220.
1597. *Thevetia Hort. Cliff.* *Ahovas major Pij.*
1598. *Tordylium umbellulis remotis, foliis pinnatis*
pinnis subrotundis laciniatis Hort. Cliff.
1599. *Veronica spicata lanuginosa & incana floribus*
cæruleis Amman. Ruth.
1600. *Zigophyllum* foliis subseffilibus *Hort. Cliff.*
Fabago Africana arborescens flore sulphureo,
fructu rotundo Com. Rar. 10.

LXX. *An Account of some Experiments*
upon a Machine for measuring the Way
of a Ship at Sea. By Mr. J. Smeaton,
F. R. S.

Read April 4, 1754. IN the *Philosophical Transactions*, N°
 391. for November 1725. Mr. Henry
 de Saumarez gives an account of a machine for mea-
 suring a ship's way more exactly than by the log.
 This machine consists of a first mover, in the form of
 the letter Y. Upon the two arms of the Y are fast-
 ened two vanes, inclined in such a manner, that when
 the